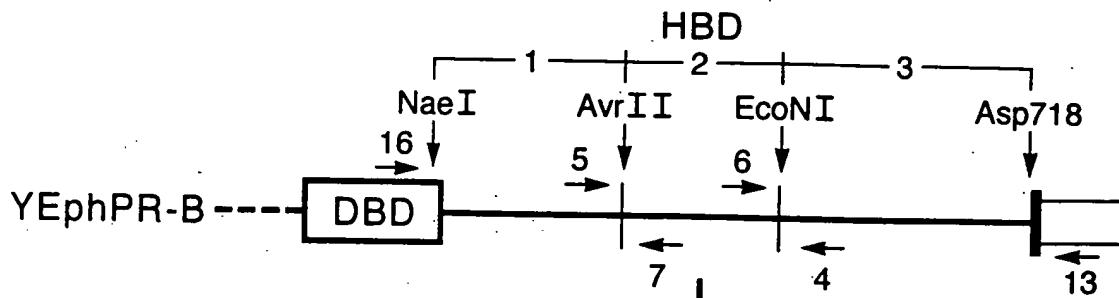


APPROVED	Q.C. FIG.
BY	CLASS SUBCLASS
DRAFTER	



Error-prone PCR
Subclone mutated inserts into YEpHP-B
Obtain region-specific random mutant libraries

Transform BJ3505/YRpPC3GS+
(trp- ura-)



CAA/Cu plate

Replica plates
(CAA/Cu/XGal)

<u>UP-MUTANTS</u>		<u>DOWN-MUTANTS</u>	
plates	phenotype (blue)	plates	phenotype (white)
	Hormone-independent activation of transcription		Inactivation of transcription
no hormone		1uM Prog.	1uM Prog.
→	Increased binding affinity		10nM Prog. (or R5020)
1uM RU486	Altered activity		
	Altered specificity		
1uM Dex			

Fig.1

APPROVED	S.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTER		

A

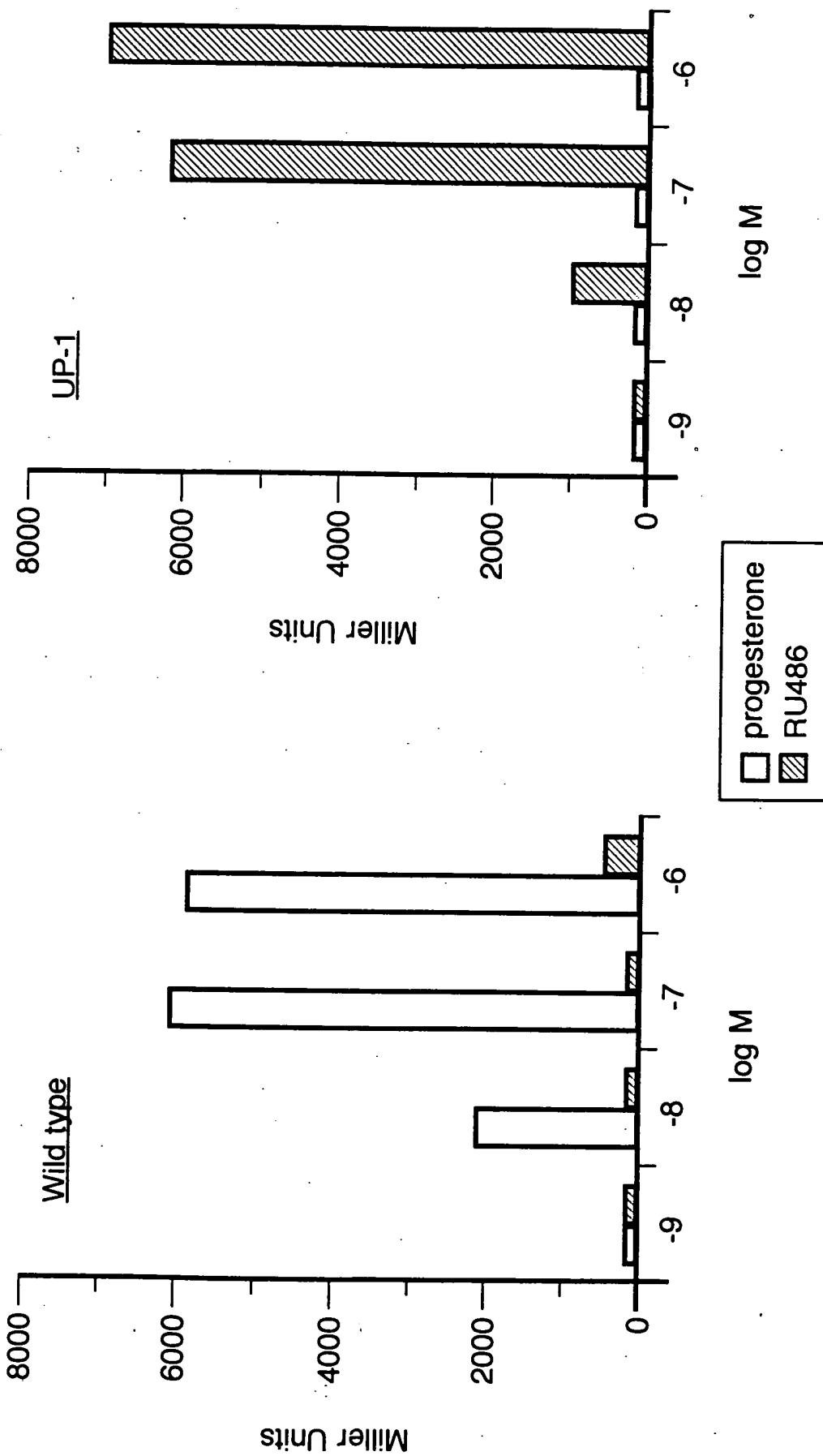


Fig. 2A

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

B

DNA sequence:

2636

WT .AAC TTG CAT GAT CTT GTC AAA CAA CTT CAT CTG TAC TGC TTG...
UP-1 .AAT TGC ATG ATC TTG TCA AAC AAC TTC ATC TGT ACT GCT TGA

Protein sequence:

	879										891									
	WT	.Asn	Leu	His	Asp	Leu	Val	Lys	Gln	Leu	His	Leu	Tyr	Cys	Leu	.				
WT								★												
UP-1	.Asn	Cys	Met	Ile	Leu	Ser	Asn	Asn	Phe	Ile	Cys	Thr	Ala							

wild type

933

UP-1

891

Fig.2B

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

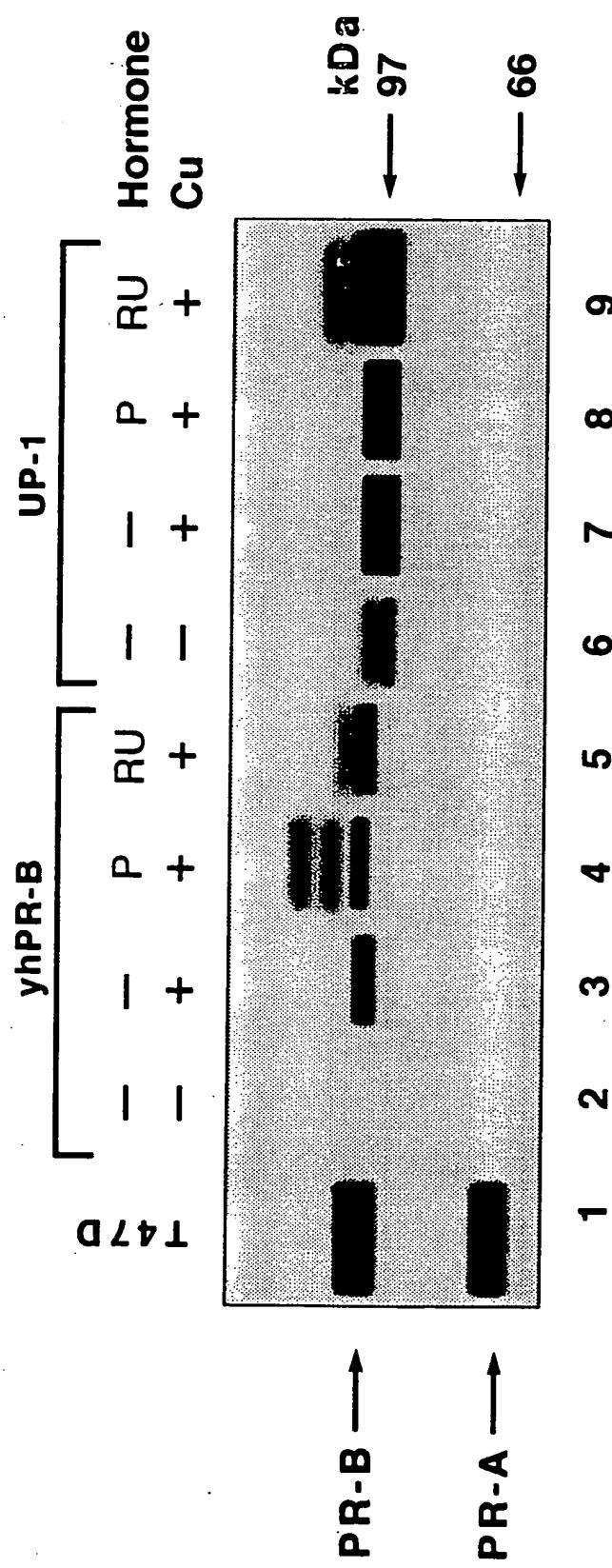


Fig.3

APPROVED	O.C. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

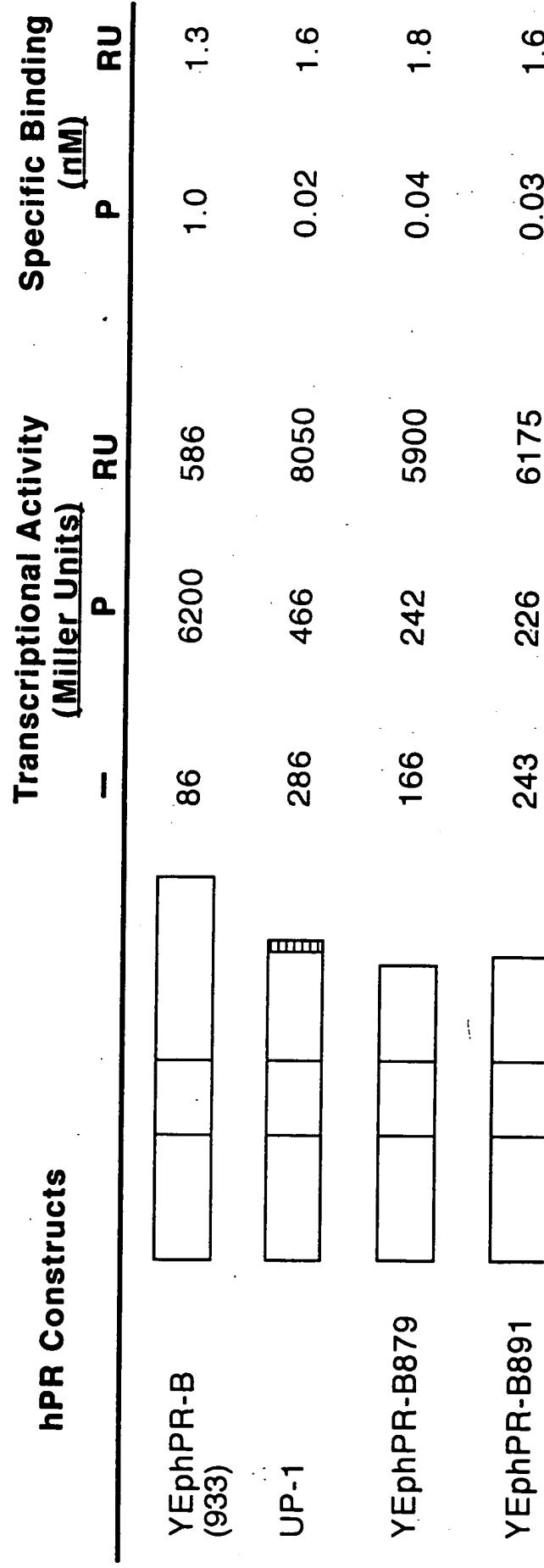


Fig.4

APPROVED	O.G. FIG.
57	CLASS
DRAFTSMAN	SUBCLASS

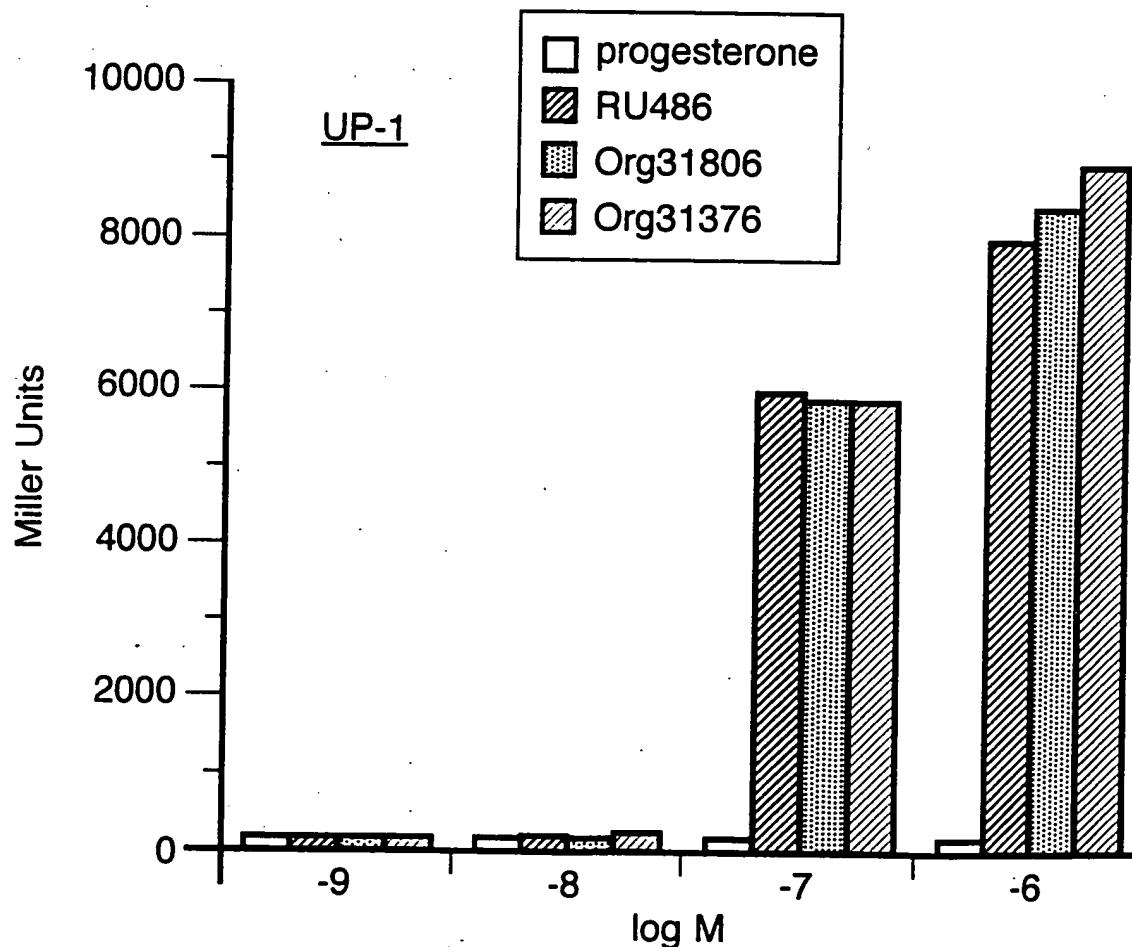
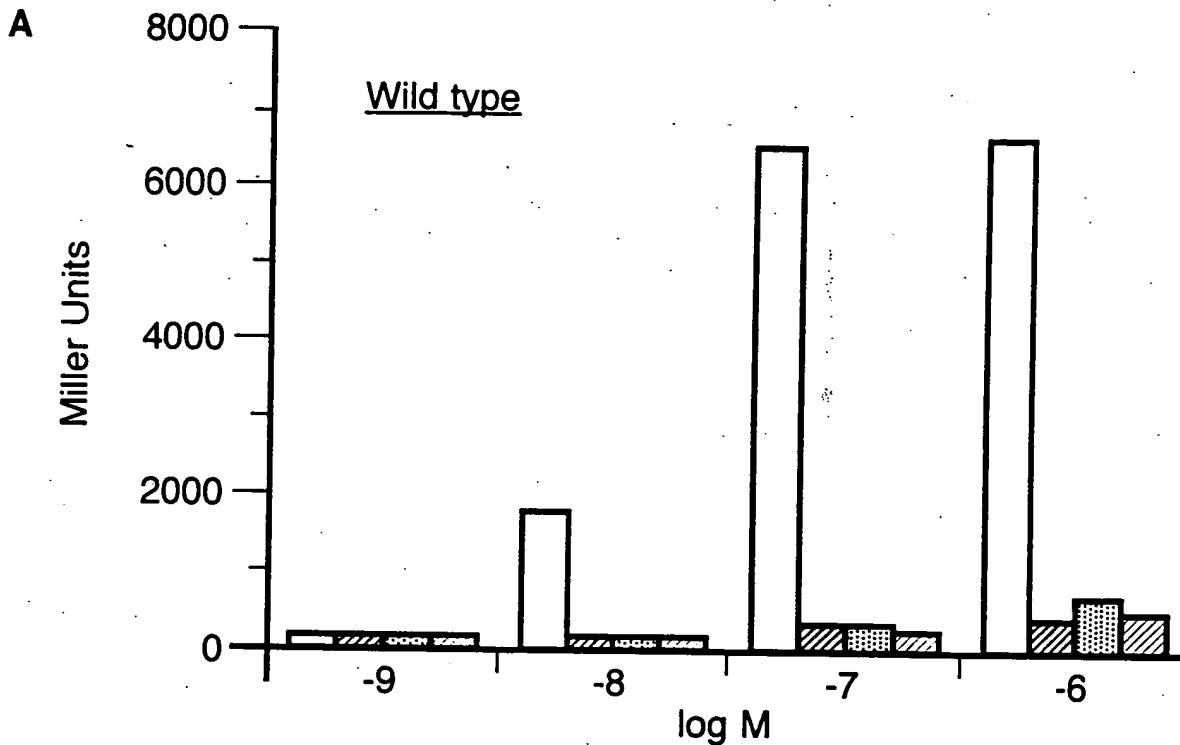


Fig.5A

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

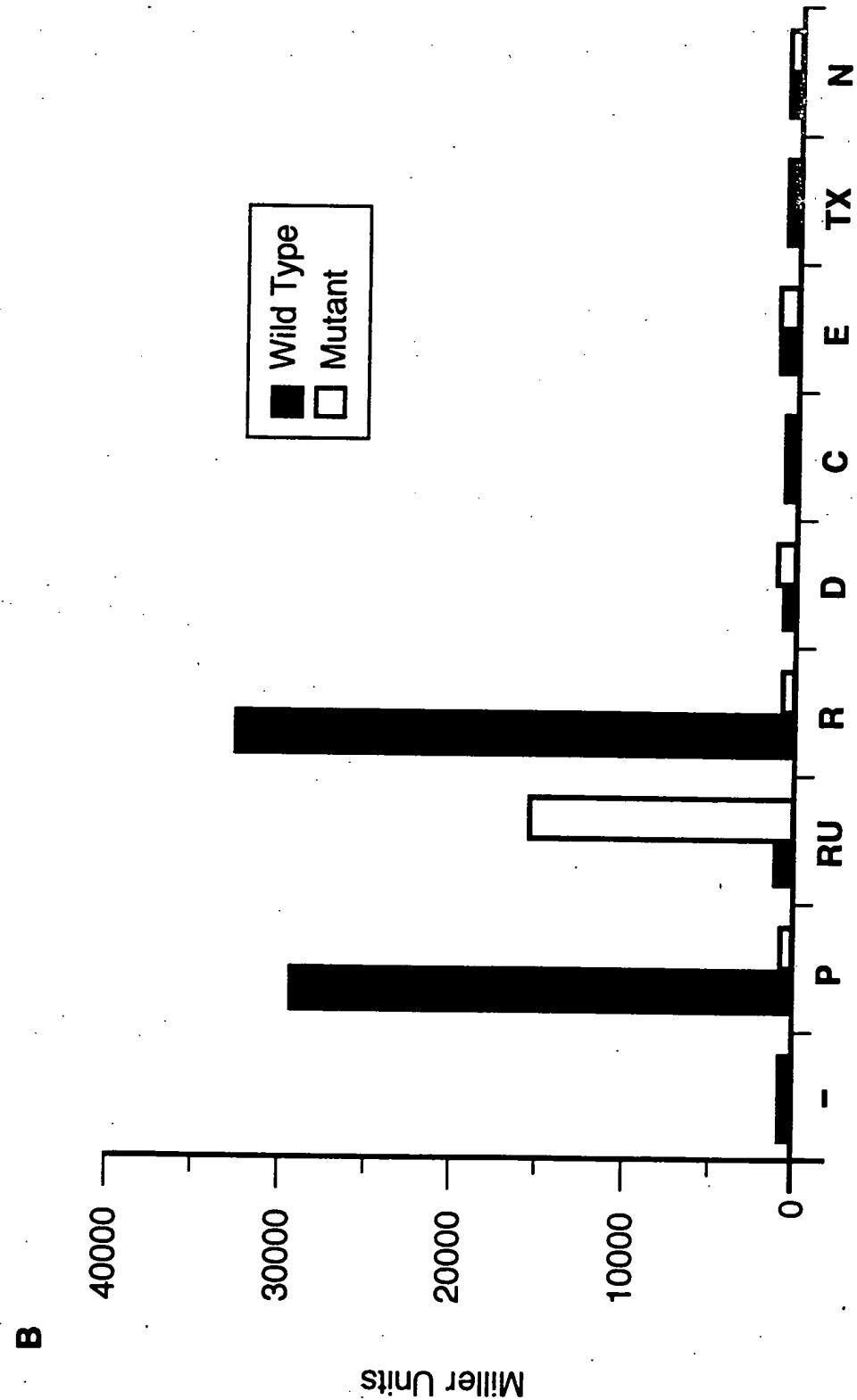


Fig.5B

APPROVED	D.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Progesterone:

RU486:

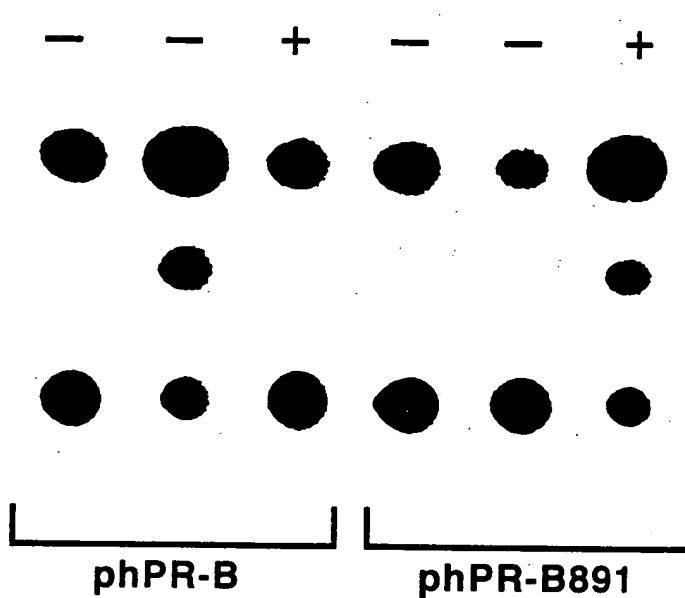


Fig.6A

APPROVER	C.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

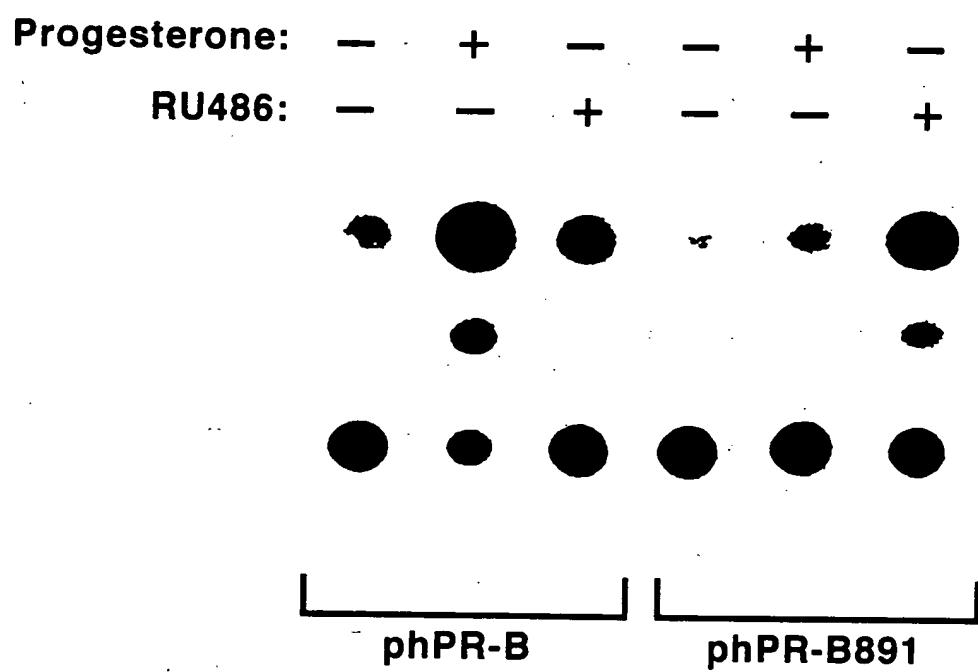


Fig.6B